```
administrador@lab-dacc-08:~$ ls
 Android                Imagens           NVIDIA_CUDA-11.4_Samples    tamanho.sh
'Área de Trabalho'    Modelos           palomakoba                      usuarios.sh
 bin                    Música            Público                          valor.sh
 Documentos            neanderlin64     screenshot2.png               valor.sh.save
 Downloads             netbeans-13      setimo.sh                    'variables to activate
nvidia.txt'
 Fernando              numero.sh         snap                          Vídeos
administrador@lab-dacc-08:~$ pwd
/home/administrador
administrador@lab-dacc-08:~$ cat /etc/lsb-release
DISTRIB_ID=Ubuntu
DISTRIB_RELEASE=20.04
DISTRIB_CODENAME=focal
DISTRIB_DESCRIPTION="Ubuntu 20.04.4 LTS"
administrador@lab-dacc-08:~$ ls -l /bin/ls
-rwxr-xr-x 1 root root 142144 set   5   2019 /bin/ls
administrador@lab-dacc-08:~$ ls /etc/host*
/etc/host.conf   /etc/hostid   /etc/hostname   /etc/hosts   /etc/hosts.allow   /etc/hosts.deny
administrador@lab-dacc-08:~$ ls -l /etc/host*
-rw-r--r-- 1 root root   92 dez   5   2019 /etc/host.conf
-rw-r--r-- 1 root root    4 fev 23   2022 /etc/hostid
-rw-r--r-- 1 root root   12 abr   5   2022 /etc/hostname
-rw-r--r-- 1 root root 221 abr   2   2022 /etc/hosts
-rw-r--r-- 1 root root 411 fev 23   2022 /etc/hosts.allow
-rw-r--r-- 1 root root 711 fev 23   2022 /etc/hosts.deny
administrador@lab-dacc-08:~$ ls -lh /bin/ls
-rwxr-xr-x 1 root root 139K set   5   2019 /bin/ls
administrador@lab-dacc-08:~$ ls -al
total 1040
drwxr-xr-x 36 administrador administrador    4096 out 13 18:02   .
drwxr-xr-x   5 root            root            4096 set 28 18:10   ..
drwxrwxr-x   4 administrador administrador    4096 out 13 18:00   .android
drwxrwxr-x   3 administrador administrador    4096 abr   3   2022   Android
drwxr-xr-x   4 administrador administrador    4096 out   7 18:13   .anydesk
drwxr-xr-x   2 administrador administrador    4096 abr   4   2022 'Área de Trabalho'
-rw-------   1 administrador administrador   20536 out 13 18:18   .bash_history
-rw-r--r--   1 administrador administrador     220 abr   2   2022   .bash_logout
-rw-r--r--   1 administrador administrador    3934 out   5 16:04   .bashrc
drwxrwxr-x   2 administrador administrador    4096 out   5 16:02   bin
drwxr-xr-x 25 administrador administrador    4096 out 13 17:19   .cache
drwx------ 31 administrador administrador    4096 out 13 18:30   .config
drwxr-xr-x   3 administrador administrador    4096 abr   4   2022   Documentos
drwxr-xr-x   2 administrador administrador    4096 out 13 18:32   Downloads
drwxrwxr-x   3 administrador administrador    4096 abr   4   2022   .eclipse
-rw-------   1 administrador administrador      16 abr   7
2022   .emulator_console_auth_token
drwxrwxr-x   2 administrador administrador    4096 out 11 15:46   Fernando
-rw-rw-r--   1 administrador administrador      80 out   5 16:09   .gitconfig
drwx------   3 administrador administrador    4096 out 13 18:33   .gnupg
drwx------   4 administrador administrador    4096 abr   3   2022   .hashcat
drwxr-xr-x   3 administrador administrador    4096 out 13 18:09   Imagens
drwxrwxr-x   4 administrador administrador    4096 abr   3   2022   .java
drwxr-xr-x   3 administrador administrador    4096 abr   2   2022   .local
drwxr-xr-x   2 administrador administrador    4096 abr   3   2022   Modelos
drwx------   4 administrador administrador    4096 abr   2   2022   .mozilla
drwxr-xr-x   2 administrador administrador    4096 abr   2   2022   Música
drwxrwxr-x   7 administrador administrador    4096 abr   4   2022   .nbi
drwxrwxr-x   2 administrador administrador    4096 abr   4   2022   neanderlin64
```

```
drwxrwxr-x   3 administrador administrador    4096 abr   4   2022   .netbeans
drwxrwxr-x   3 administrador administrador    4096 abr   4   2022   netbeans-13
-rwxrwxrwx   1 administrador administrador      64 out 13 14:29   numero.sh
drwx------   4 administrador administrador    4096 abr   3   2022   .nv
drwxr-xr-x 11 administrador administrador    4096 abr   3   2022
NVIDIA_CUDA-11.4_Samples
-rw-rw-r--   1 administrador administrador    1488 abr   3   2022   .nvidia-settings-rc
drwxrwxr-x   2 administrador administrador    4096 out 11 16:00   palomakoba
drwx------   3 administrador administrador    4096 abr   3   2022   .pki
-rw-r--r--   1 administrador administrador     807 abr   2   2022   .profile
drwxr-xr-x   2 administrador administrador    4096 abr   2   2022   Público
-rw-------   1 administrador administrador       7 abr   4   2022   .python_history
drwxrwxr-x   3 administrador administrador    4096 out   5 16:09   .repoconfig
-rw-rw-r--   1 administrador administrador     128 out   5 16:39   .repo_.gitconfig.json
-rw-rw-r--   1 administrador administrador 820065 out 13 18:02   screenshot2.png
-rwxrwxrwx   1 administrador administrador      87 out 13 13:34   setimo.sh
drwx------   5 administrador administrador    4096 abr   4   2022   snap
drwx------   2 administrador administrador    4096 abr   2   2022   .ssh
-rw-r--r--   1 administrador administrador       0 abr   2
2022   .sudo_as_admin_successful
-rwxrwxrwx   1 administrador administrador      59 out 13 13:57   tamanho.sh
drwxrwxr-x   3 administrador administrador    4096 out 13 14:56   .tldr
-rwxrwxrwx   1 administrador administrador      58 out 13 13:26   usuarios.sh
-rwxrwxrwx   1 administrador administrador     116 out 13 14:41   valor.sh
-rwxrwxrwx   1 administrador administrador     115 out 13 15:25   valor.sh.save
-rw-rw-r--   1 administrador administrador     142 abr   3   2022 'variables to activate
nvidia.txt'
drwxr-xr-x   3 administrador administrador    4096 abr   4   2022   Vídeos
-rw-------   1 administrador administrador    1037 out 11 15:52   .viminfo
drwxrwxr-x   3 administrador administrador    4096 abr   3   2022   .vscode
```

```
                                    administrador@lab-dacc-08: ~

LS(1)                            User Commands                            LS(1)

NAME
       ls - list directory contents

SYNOPSIS
       ls [OPTION]... [FILE]...

DESCRIPTION
       List  information  about the FILEs (the current directory by default).  Sort entries alphabeti-
       cally if none of -cftuvSUX nor --sort is specified.

       Mandatory arguments to long options are mandatory for short options too.

       -a, --all
              do not ignore entries starting with .

       -A, --almost-all
              do not list implied . and ..

       --author
              with -l, print the author of each file

       -b, --escape
              print C-style escapes for nongraphic characters

       --block-size=SIZE
              with -l, scale sizes by SIZE when printing them; e.g., '--block-size=M'; see SIZE format
              below

       -B, --ignore-backups
              do not list implied entries ending with ~

       -c     with  -lt:  sort  by, and show, ctime (time of last modification of file status informa-
              tion); with -l: show ctime and sort by name; otherwise: sort by ctime, newest first

       -C     list entries by columns

       --color[=WHEN]
              colorize the output; WHEN can be 'always' (default if omitted), 'auto', or 'never'; more
              info below

       -d, --directory
              list directories themselves, not their contents

       -D, --dired
              generate output designed for Emacs' dired mode

       -f     do not sort, enable -aU, disable -ls --color

       -F, --classify
              append indicator (one of */=>@|) to entries

       --file-type
 Manual page ls(1) line 1 (press h for help or q to quit)
```

administrador@lab-dacc-08:~$ tldr ls
ls
List directory contents.More information: https://www.gnu.org/software/coreutils/ls.

 - List files one per line:
    ls -1

 - List all files, including hidden files:
    ls -a

 - List all files, with trailing / added to directory names:
    ls -F

 - Long format list (permissions, ownership, size, and modification date) of all files:
    ls -la

 - Long format list with size displayed using human-readable units (KiB, MiB, GiB):
    ls -lh

- Long format list sorted by size (descending):
    ls -lS

  - Long format list of all files, sorted by modification date (oldest first):
    ls -ltr

  - Only list directories:
    ls -d */

```
administrador@lab-dacc-08:~$ cd /var/log
administrador@lab-dacc-08:/var/log$ pwd
/var/log
administrador@lab-dacc-08:/var/log$ cd ~
administrador@lab-dacc-08:~$ pwd
/home/administrador
administrador@lab-dacc-08:~$ cd /var/log
administrador@lab-dacc-08:/var/log$ cd
administrador@lab-dacc-08:~$ pw
pw: comando não encontrado
administrador@lab-dacc-08:~$ pwd
/home/administrador
administrador@lab-dacc-08:~$ cd .
administrador@lab-dacc-08:~$ pwd
/home/administrador
administrador@lab-dacc-08:~$ cd ..
administrador@lab-dacc-08:/home$ pwd
/home
administrador@lab-dacc-08:/home$ cd -
/home/administrador
administrador@lab-dacc-08:~$ pwd
/home/administrador
administrador@lab-dacc-08:~$ cat /etc/hostname
lab-dacc-08
```

```
#
# /etc/login.defs - Configuration control definitions for the login package.
#
# Three items must be defined:  MAIL_DIR, ENV_SUPATH, and ENV_PATH.
# If unspecified, some arbitrary (and possibly incorrect) value will
# be assumed.  All other items are optional - if not specified then
# the described action or option will be inhibited.
#
# Comment lines (lines beginning with "#") and blank lines are ignored.
#
# Modified for Linux.  --marekm

# REQUIRED for useradd/userdel/usermod
#   Directory where mailboxes reside, _or_ name of file, relative to the
#   home directory.  If you _do_ define MAIL_DIR and MAIL_FILE,
#   MAIL_DIR takes precedence.
#
#   Essentially:
#      - MAIL_DIR defines the location of users mail spool files
#        (for mbox use) by appending the username to MAIL_DIR as defined
#        below.
#      - MAIL_FILE defines the location of the users mail spool files as the
#        fully-qualified filename obtained by prepending the user home
#        directory before $MAIL_FILE
#
# NOTE: This is no more used for setting up users MAIL environment variable
#       which is, starting from shadow 4.0.12-1 in Debian, entirely the
#       job of the pam_mail PAM modules
#       See default PAM configuration files provided for
#       login, su, etc.
#
# This is a temporary situation: setting these variables will soon
# move to /etc/default/useradd and the variables will then be
# no more supported
MAIL_DIR        /var/mail
#MAIL_FILE       .mail

#
# Enable logging and display of /var/log/faillog login failure info.
# This option conflicts with the pam_tally PAM module.
#
FAILLOG_ENAB            yes

#
# Enable display of unknown usernames when login failures are recorded.
#
# WARNING: Unknown usernames may become world readable.
# See #290803 and #298773 for details about how this could become a security
# concern
LOG_UNKFAIL_ENAB        no

#
# Enable logging of successful logins
#
--Mais--(18%)
```

administrador@lab-dacc-08:~$ head -5 /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
administrador@lab-dacc-08:~$ tail -5 /etc/passwd
aluno::1001:1001:Aluno,,,:/home/aluno:/bin/bash
lightdm:x:128:135:Light Display Manager:/var/lib/lightdm:/bin/false
nvidia-persistenced:x:127:134:NVIDIA Persistence Daemon,,,:/nonexistent:/usr/sbin/nologin
sshd:x:129:65534::/run/sshd:/usr/sbin/nologin
joaopdmaga:x:1002:1003:[Joao Pedro Dias Magalhaes,101,garoto de
programa,69993837895,nenhum mais:/home/joaopdmaga:/bin/bash

administrador@lab-dacc-08:~$ tail -f /var/log/syslog
Oct 13 18:37:46 lab-dacc-08 systemd[4954]: Started Tracker metadata database store and
lookup manager.
Oct 13 18:37:46 lab-dacc-08 dbus-daemon[4966]: [session uid=1000 pid=4966] Activating
via systemd: service name='org.freedesktop.Tracker1.Miner.Extract'

unit='tracker-extract.service' requested by ':1.2' (uid=1000 pid=4962
comm="/usr/libexec/tracker-miner-fs " label="unconfined")
Oct 13 18:37:46 lab-dacc-08 systemd[4954]: Starting Tracker metadata extractor...
Oct 13 18:37:46 lab-dacc-08 tracker-extract[27072]: Set scheduler policy to SCHED_IDLE
Oct 13 18:37:46 lab-dacc-08 tracker-extract[27072]: Setting priority nice level to 19
Oct 13 18:37:46 lab-dacc-08 dbus-daemon[4966]: [session uid=1000 pid=4966]
Successfully activated service 'org.freedesktop.Tracker1.Miner.Extract'
Oct 13 18:37:46 lab-dacc-08 systemd[4954]: Started Tracker metadata extractor.
Oct 13 18:37:57 lab-dacc-08 systemd[4954]: tracker-extract.service: Succeeded.
Oct 13 18:38:17 lab-dacc-08 tracker-store[27062]: OK
Oct 13 18:38:17 lab-dacc-08 systemd[4954]: tracker-store.service: Succeeded.
administrador@lab-dacc-08:~$ vi ArquivoTeste.txt
administrador@lab-dacc-08:~$ cat ArquivoTeste.txt
Este é um arquivo de teste!
administrador@lab-dacc-08:~$ nano ArquivoTeste.txt
administrador@lab-dacc-08:~$ cp ArquivoTeste.txt ArquivoCopia.txt
administrador@lab-dacc-08:~$ ls -lh Arquivo[C\|T]*.txt
-rw-rw-r-- 1 administrador administrador 29 out 13 18:41 ArquivoCopia.txt
-rw-rw-r-- 1 administrador administrador 29 out 13 18:40 ArquivoTeste.txt
administrador@lab-dacc-08:~$ cp ArquivoTeste.txt /tmp
administrador@lab-dacc-08:~$ ls -lh ArquivoTeste.txt /tmp/ArquivoTeste.txt
-rw-rw-r-- 1 administrador administrador 29 out 13 18:40 ArquivoTeste.txt
-rw-rw-r-- 1 administrador administrador 29 out 13 18:41 /tmp/ArquivoTeste.txt
administrador@lab-dacc-08:~$ mv ArquivoCopia.txt /tmp
administrador@lab-dacc-08:~$ ls -lh /tmp/ArquivoCopia.txt
-rw-rw-r-- 1 administrador administrador 29 out 13 18:41 /tmp/ArquivoCopia.txt
administrador@lab-dacc-08:~$ mv ArquivoTeste.txt ArquivoRenomeado.txt
administrador@lab-dacc-08:~$ ls -lh ArquivoRenomeado.txt
-rw-rw-r-- 1 administrador administrador 29 out 13 18:40 ArquivoRenomeado.txt
administrador@lab-dacc-08:~$ mv ArquivoRenomeado.txt /tmp/ArquivoMovido.txt
administrador@lab-dacc-08:~$ ls -lh /tmp/ArquivoMovido.txt
-rw-rw-r-- 1 administrador administrador 29 out 13 18:40 /tmp/ArquivoMovido.txt
administrador@lab-dacc-08:~$ mkdir TesteDir
administrador@lab-dacc-08:~$ cd TesteDir/
administrador@lab-dacc-08:~/TesteDir$ ls -al
total 8
drwxrwxr-x   2 administrador administrador 4096 out 13 18:46 .
drwxr-xr-x 37 administrador administrador 4096 out 13 18:46 ..
administrador@lab-dacc-08:~/TesteDir$ cd ..
administrador@lab-dacc-08:~$ rmdir TesteDir/
administrador@lab-dacc-08:~$ mkdir TesteDir2
administrador@lab-dacc-08:~$ cd TesteDir2/
administrador@lab-dacc-08:~/TesteDir2$ echo "Jebediah Kerman" > ArquivoTeste.txt
administrador@lab-dacc-08:~/TesteDir2$ cd ..
administrador@lab-dacc-08:~$ rmdir TesteDir2/
rmdir: falhou em remover 'TesteDir2/': Diretório não vazio
administrador@lab-dacc-08:~$ rm -rf TesteDir2/